

Krishanu Ghosal

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

719
citations

840119

11
h-index

1281420

11
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16
all docs

16
docs citations

16
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in chemical recycling of polyethylene terephthalate waste into value added products for sustainable coating solutions – hope. <i>Materials Advances</i> , 2022, 3, 1974-1992.	2.6	88
2	Advances in the Development of Biodegradable Polymeric Materials for Biomedical Applications with Respect to Their Synthesis Procedures, Degradation Properties, Toxicity, Stability and Applications. , 2022, , 567-592.		1
3	In vivo biocompatible shape memory polyester derived from recycled polycarbonate e-waste for biomedical application. , 2022, 138, 212961.		7
4	Biocompatibility and biomedical applications of various carbon-based materials. , 2021, , 829-875.		3
5	From ultrastiff to soft materials: Exploiting dynamic metal–ligand cross-links to access polymer hydrogels combining customized mechanical performance and tailorable functions by controlling hydrogel mechanics. <i>Chemical Engineering Journal</i> , 2021, 419, 129528.	6.6	22
6	Graphene family nanomaterials- opportunities and challenges in tissue engineering applications. <i>FlatChem</i> , 2021, 30, 100315.	2.8	20
7	Facile green synthesis of bioresorbable polyester from soybean oil and recycled plastic waste for osteochondral tissue regeneration. <i>European Polymer Journal</i> , 2020, 122, 109338.	2.6	22
8	Natural polysaccharide derived carbon dot based in situ facile green synthesis of silver nanoparticles: Synergistic effect on breast cancer. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1605-1615.	3.6	28
9	Advances in Tissue Engineering and Regeneration. , 2020, , 577-646.		4
10	Poly(ester amide) derived from municipal polyethylene terephthalate waste guided stem cells for osteogenesis. <i>New Journal of Chemistry</i> , 2019, 43, 14166-14178.	1.4	22
11	Dendrimer functionalized carbon quantum dot for selective detection of breast cancer and gene therapy. <i>Chemical Engineering Journal</i> , 2019, 373, 468-484.	6.6	101
12	Green synthesis and characterization of silver nanoparticles using belladonna mother tincture and its efficacy as a potential antibacterial and anti-inflammatory agent. <i>Materials Chemistry and Physics</i> , 2019, 228, 310-317.	2.0	61
13	Carbon dots: The next generation platform for biomedical applications. <i>Materials Science and Engineering C</i> , 2019, 96, 887-903.	3.8	148
14	Biomedical Applications of Graphene Nanomaterials and Beyond. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2653-2703.	2.6	161
15	Biopolymer Based Interfacial Tissue Engineering for Arthritis. , 2018, , 67-88.		3
16	Formation of a gold–carbon dot nanocomposite with superior catalytic ability for the reduction of aromatic nitro groups in water. <i>RSC Advances</i> , 2014, 4, 25863-25866.	1.7	28